

# SPEECH RECOGNITION/DATABASE RETRIEVAL COMMUNICATION SYSTEM OF MOBILE TERMINAL

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## Abstract of JP10126852

**PROBLEM TO BE SOLVED:** To realize speech recognition/database retrieval function as a user interface at a practical precision and cost in a communication environment using mobile terminals.

**SOLUTION:** In a mobile terminal 101, a speech signal entered from an input part 109 is transmitted to a PHS network 103 from a control part 110 and a communication part 111, and then transmitted from there to a voice control host unit 108 via a mobile terminal control host unit 104 and internet 105. The speech signal is received by a mobile terminal communication control part 116 via a packet transmitting/receiving part 115 in the same unit, recognized by a sentence speech recognition part 117, and then, a retrieving keyword is extracted in a retrieval control part 118, and retrieval processing is executed to a database 120 via an SQL DBMS 119. Thus obtained retrieved result sentence data is returned back to the mobile terminal 101, received by the control part 110 via the communication part 111, and displayed in an output part 112.

